Fifty Years of Radiation Hardening

Compiled and Edited by:
Ronald L. Pease, Dale G. Platteter, Klaus G. Kerris and Kenneth F. Galloway
<table>
<thead>
<tr>
<th>No.</th>
<th>Year</th>
<th>HOST</th>
<th>LOCATION</th>
<th>ATTENDANCE</th>
</tr>
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<td>*</td>
<td>1962</td>
<td>Hilton Hotel</td>
<td>Denver, CO</td>
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<td>1963</td>
<td>Royal York Hotel</td>
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<td>1964</td>
<td>University of Washington</td>
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<td>University of Michigan</td>
<td>Ann Arbor, MI</td>
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<td>Stanford University</td>
<td>Palo Alto, CA</td>
<td>327</td>
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<td>1967</td>
<td>Ohio State University</td>
<td>Columbus, OH</td>
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<td>1968</td>
<td>University of Montana</td>
<td>Missoula, MT</td>
<td>317</td>
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<td>Pennsylvania State University</td>
<td>University Park, PA</td>
<td>382</td>
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<td>1970</td>
<td>University of California</td>
<td>San Diego, CA</td>
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<td>University of New Hampshire</td>
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<td>University of Washington</td>
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<td>1973</td>
<td>Utah State University</td>
<td>Logan, UT</td>
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<td>1974</td>
<td>Colorado State University</td>
<td>Fort Collins, CO</td>
<td>280</td>
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<td>1975</td>
<td>Humboldt State University</td>
<td>Arcata, CA</td>
<td>305</td>
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<td>1976</td>
<td>University of California</td>
<td>San Diego, CA</td>
<td>370</td>
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<td>1977</td>
<td>College of William and Mary</td>
<td>Williamsburg, VA</td>
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<td>University of New Mexico</td>
<td>Albuquerque, NM</td>
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<td>16</td>
<td>1979</td>
<td>University of California</td>
<td>Santa Cruz, CA</td>
<td>430</td>
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<td>1980</td>
<td>Cornell University</td>
<td>Ithaca, NY</td>
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<td>18</td>
<td>1981</td>
<td>University of Washington</td>
<td>Seattle, WA</td>
<td>660</td>
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<td>19</td>
<td>1982</td>
<td>Caesar’s Palace</td>
<td>Las Vegas, NV</td>
<td>730</td>
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<td>20</td>
<td>1983</td>
<td>Sheraton Hotel</td>
<td>Gatlinburg, TN</td>
<td>740</td>
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<td>1984</td>
<td>Broadmoor Hotel</td>
<td>Colorado Springs, CO</td>
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<td>22</td>
<td>1985</td>
<td>Hyatt-Regency Hotel</td>
<td>Monterey, CA</td>
<td>1077</td>
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<td>23</td>
<td>1986</td>
<td>Performing Arts Center</td>
<td>Providence, RI</td>
<td>804</td>
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<td>24</td>
<td>1987</td>
<td>Snowmass Conference Center</td>
<td>Snowmass, CO</td>
<td>897</td>
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<td>25</td>
<td>1988</td>
<td>Marriott Hotel</td>
<td>Portland, OR</td>
<td>672</td>
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<td>26</td>
<td>1989</td>
<td>Marriott’s Marco Island Resort</td>
<td>Marco Island, FL</td>
<td>758</td>
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<td>27</td>
<td>1990</td>
<td>Bally’s Hotel</td>
<td>Reno, NV</td>
<td>628</td>
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<td>28</td>
<td>1991</td>
<td>Town and Country Hotel</td>
<td>San Diego, CA</td>
<td>605</td>
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<td>29</td>
<td>1992</td>
<td>Hyatt Regency Hotel</td>
<td>New Orleans, LA</td>
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<td>30</td>
<td>1993</td>
<td>Snowbird Ski &amp; Summer Resort</td>
<td>Snowbird, UT</td>
<td>434</td>
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<td>31</td>
<td>1994</td>
<td>Westin La Paloma Resort</td>
<td>Tucson, AZ</td>
<td>432</td>
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<td>32</td>
<td>1995</td>
<td>Holiday Inn - Madison West</td>
<td>Madison, WI</td>
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<td>33</td>
<td>1996</td>
<td>Stouffer’s Esmeralda Resort</td>
<td>Indian Wells, CA</td>
<td>418</td>
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<td>34</td>
<td>1997</td>
<td>Snowmass Conference Center</td>
<td>Snowmass, CO</td>
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<tr>
<td>35</td>
<td>1998</td>
<td>Newport Beach Marriott</td>
<td>Newport Beach, CA</td>
<td>564</td>
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<td>36</td>
<td>1999</td>
<td>Waterside Marriott</td>
<td>Norfolk, VA</td>
<td>518</td>
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<td>37</td>
<td>2000</td>
<td>Silver Legacy Resort &amp; Casino</td>
<td>Reno, NV</td>
<td>492</td>
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<td>38</td>
<td>2001</td>
<td>Westin Bayshore</td>
<td>Vancouver, BC, Canada</td>
<td>474</td>
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<td>39</td>
<td>2002</td>
<td>Pointe South Mountain Resort</td>
<td>Phoenix, AZ</td>
<td>516</td>
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<td>40</td>
<td>2003</td>
<td>DoubleTree Hotel</td>
<td>Monterey, CA</td>
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<td>41</td>
<td>2004</td>
<td>Renaissance Waverly Hotel</td>
<td>Atlanta, GA</td>
<td>523</td>
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<td>42</td>
<td>2005</td>
<td>Seattle Sheraton Hotel</td>
<td>Seattle, WA</td>
<td>581</td>
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<td>43</td>
<td>2006</td>
<td>Sawgrass Marriott Resort</td>
<td>Ponte Vedra Beach, FL</td>
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<td>2007</td>
<td>Hilton Hawaiian village</td>
<td>Honolulu, HI</td>
<td>507</td>
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<td>45</td>
<td>2008</td>
<td>J. W. Marriott Starr Pass Resort</td>
<td>Tucson, AZ</td>
<td>519</td>
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<td>2009</td>
<td>Hilton and Convention Center</td>
<td>Quebec City, CA</td>
<td>489</td>
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<td>47</td>
<td>2010</td>
<td>Sheraton Denver Downtown Hotel</td>
<td>Denver, CO</td>
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<tr>
<td>Year</td>
<td>Location</td>
<td>Hotel/Meeting Venue</td>
<td>City, State</td>
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<tr>
<td>2011</td>
<td></td>
<td>J. W. Marriott Las Vegas Resort</td>
<td>Summerlin, NV</td>
<td>551</td>
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<tr>
<td>2012</td>
<td></td>
<td>Intercontinental Miami Hotel</td>
<td>Miami, FL</td>
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<td>2013</td>
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<td>Hyatt Regency San Francisco</td>
<td>San Francisco, CA</td>
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* In 1962, the Nuclear Radiation Effects Program was part of the AIEE Summer General Meeting.

** In 1963, the Nuclear Radiation Effects Program was part of the (IRE/AIEE) Summer General Meeting.
INTRODUCTION

The annual IEEE Nuclear and Space Radiation Effects Conference (NSREC) is an international forum for the presentation of research papers related to radiation effects in materials, and electronic devices, circuits, and systems. Papers presented at NSREC are submitted to the IEEE Transactions on Nuclear Science for publication in the December issue.

Radiation effects in the IEEE commenced in the late 1950’s, under the sponsorship of two subcommittees in the American Institute of Electrical Engineers (AIEE), one of the predecessor engineering organizations that merged with the Institute of Radio Engineers (IRE) in 1963 to form the IEEE. From 1958 to 1961, radiation effects sessions were limited to technical symposia and round table discussions held at annual General Meetings of the AIEE.

Solicited technical papers were presented for the first time at the 1962 AIEE Summer General Meeting held in Denver, Colorado. An enlarged Nuclear Radiation Effects Program was included in the 1963 IEEE (AIEE/IRE) Summer General Meeting held in Toronto, Canada. The first independent Nuclear Radiation Effects Conference was held in July 1964, at the University of Washington, and has been held annually every July since then. Commencing in 1975, by tradition, the Conference has been held at a western location for two-thirds of the time and an eastern location every third year.

Since 1980, a one-day tutorial short course has been conducted on the day immediately preceding the conference. The NSREC Short Course Notebook is published each year.

Commencing in 1982, the Hardened Electronics and Radiation Technology (HEART) Conference, sponsored by DoD and DoE, was held at a site near the NSREC and immediately following it. The 1986 HEART Conference was the last to follow this practice.

An Industrial Exhibits was added in 1991 to replace the hospitality suites that several vendors had been holding at prior NSRECs. The Industrial Exhibits have continued to the present growing from 18 exhibitors in 1991 to 57 in 2012.

A Radiation Effects Data Workshop session was added to the conference in 1992. Proceedings from this session are published in the IEEE Radiation Effects Data Workshop Record.

Policy and general planning for the NSREC is developed by the IEEE’s Nuclear and Plasma Sciences Society (NPSS) Radiation Effects Committee, better known as the Radiation Effects Steering Group (RESG). The
committee’s chairman, executive vice-chairman, and secretary are elected for three year terms at the open meeting which is held annually at each conference. Further, one member-at-large is elected each year for a three-year term. Ex-officio members of the committee include the past chairman, past, present, and future conference chairmen, a publicity chairman, a publications chairman, the editor of *IEEE Transactions on Nuclear Science* (special publications assignment), RADECS conference liaison, and members of the NPSS Administrative Committee (AdCom).

The publications chairman appoints an editor each year to serve a three year term. In the third year the editor becomes the Guest Editor for the NSREC special December issue of the Transactions on Nuclear Science (TNS). This practice was changed in 2007 when a Senior Editor was given the job of editing all papers on Radiation Effects for NSREC, RADECS and contributed papers to the TNS. The Senior Editor assigns Associate Editors who serve for as long as they are willing. There are usually six Associate Editors.

The attendance numbers were established by the Conference Chairman’s page in the December issue of the Transactions on Nuclear Science up until 1990 when the registration contractor, ETC Services, was hired and started keeping a record of the number of attendees for the technical sessions and the short course. These numbers represent the paid plus compensated attendees.

The number of papers presented was taken from the Conference Chairman’s page in the December TNS and includes the number of oral presentations, poster papers, late news papers and Radiation Effects Data Workshop (REDW) papers when that information was available. Poster papers started in 1975 and the REDW started in 1992.
1962
NUCLEAR RADIATION EFFECTS PROGRAM:
AIEE SUMMER GENERAL MEETING

June 17-22
Hilton Hotel
Denver, CO

Program Chairman:    John Winslow
                      William Price

Attendance:          180

Chairman: Radiation Effects to Insulation Subcommittee of the Electrical Insulation Committee - William Price

Chairman: Radiation Technology Subcommittee of the Nucleonics Committee - John Winslow
1963
NUCLEAR RADIATION EFFECTS PROGRAM:
IEEE (IRE/AIEE) SUMMER GENERAL MEETING

June 16-21
Royal York Hotel
Toronto, ON, Canada

Program Chairman: R. M. Magee
Bendix Systems Division

Attendance: 200

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-10, November 1963

Guest Editor: Edward E. Conrad
Diamond Ordnance Fuze Labs

Chairman: Radiation Effects to Insulation Subcommittee
of the Electrical Insulation Committee - William Price

Chairman: Radiation Technology Subcommittee
of the Nucleonics Committee - John Winslow
Conference Chairman: John C. Mitchell  
Bell Telephone Laboratories

Technical Program: A. William Snyder  
Sandia Corporation

Local Arrangements: H. Wicklein  
The Boeing Company

Attendance: 220

Proceedings Published in:  
IEEE Transactions on Nuclear Science  
**NS-11**, November 1964

Guest Editor: William A. Bohan  
IBM Corporation

Radiation Effects Committee:  
Chairman - John Winslow
1965
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 12-15
University of Michigan
Ann Arbor, MI

Conference Chairman: William A. Bohan
IBM Corporation

Technical Program: S. C. Rogers
Sandia Laboratory

Local Arrangements: R. Magee
University of Michigan

Attendance: 282

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-12, October 1965

Guest Editor: J. R. Bilinski

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Radiation Effects Committee:
Chairman - Edward E. Conrad
Vice Chairman - A. William Snyder
Secretary - Victor J. Linnenbohm
Member at Large - John C. Mitchell
1966
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 18-21
Stanford University
Palo Alto, CA

Conference Chairman: S. C. Rogers
Bell Telephone Laboratories

Technical Program: V. A. J. Van Lint
General Atomic Div., G. D.

Local Arrangements: Ms. Marge Hartman
Stanford University

Attendance: 327

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-13, December 1966

Guest Editor: Frank W. Poblenz

Number of technical papers presented: 42

________________________________________

Radiation Effects Committee: Chairman - Edward E. Conrad
Vice Chairman - A. William Snyder
Secretary - Francis J. Campbell
Member at Large - Richard M. Magee
Conference Chairman: S. E. Harrison  
Martin-Marietta Corp.

Technical Program: J. L. Wirth  
Sandia Laboratory

Local Arrangements: D. D. Glower  
Ohio State University

Attendance: 319

Proceedings Published in: IEEE Transactions on Nuclear Science  
NS-14, December 1967

Guest Editor: James P. Raymond  
Northrop Corporate Labs

Number of technical papers presented: 40

Radiation Effects Committee: Chairman - Edward E. Conrad  
Vice Chairman - A. William Snyder  
Secretary - Francis J. Campbell  
Member at Large - Floyd N. Coppage
Conference Chairman: Orlie L. Curtis  
Northrop Corporate Labs.

Technical Program: Robert S. Caldwell  
The Boeing Co.

Local Arrangements: Thomas J. Collins  
University of Montana

Attendance: 317

Proceedings Published in:  
IEEE Transactions on Nuclear Science  
**NS-15**, December 1968

Guest Editor: Andrew G. Holmes-Siedle  
RCA Astro-Electronics Div.

Number of technical papers presented: 57
1969
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 8-11
Pennsylvania State University
University Park, PA

Conference Chairman: D. K. Wilson
Bell Telephone Laboratories

Technical Program: Edward A. Burke
AF Cambridge Research Laboratories

Local Arrangements: Joseph Stach
Pennsylvania State University

Attendance: 382

Proceedings Published in:
IEEE Transactions on Nuclear Science
**NS-16**, December 1969

Guest Editor: C. A. Goben
University of Missouri, Rolla

Number of technical papers presented: 55

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Radiation Effects Committee:
Chairman - A. William Snyder
Vice Chairman - Chihiro Kikuchi
Secretary - Floyd N. Coppage
Member at Large - Robert B. Oswald
Conference Chairman: Robert A. Poll
Systems, Science, & Software

Technical Program: R. K. Thatcher
Battelle Memorial Institute

Local Arrangements: Terry M. Flanagan
Gulf General Atomic, Inc.

Attendance: 440

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-17, December 1970

Guest Editor: Harold L. Hughes
Naval Research Laboratory

Radiation Effects Committee:
Chairman - A. William Snyder
Vice Chairman - Chihiro Kikuchi
Secretary - Floyd N. Coppage
Member at Large - Robert B. Oswald
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 20-23
University of New Hampshire
Durham, NH

Conference Chairman: Robert E. McCoskey
Harry Diamond Laboratories

Technical Program: Terry M. Flanagan
Gulf Radiation Technology

Local Arrangements: G. C. Gerhard
University of New Hampshire

Attendance: 317

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-18, December 1971

Guest Editor: Robert B. Oswald
Harry Diamond Laboratories

Number of technical papers presented: 61

Radiation Effects Committee:
Chairman - Orlie L. Curtis
Vice Chairman - D. K. Wilson
Secretary - James P. Raymond
Member at Large - Robert A. Poll
1972
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 24-27
University of Washington
Seattle, WA

Conference Chairman: Robert S. Caldwell
The Boeing Company

Technical Program: Bob L. Gregory
Sandia Laboratories

Local Arrangements: C. R. Brittain
The Boeing Company

Attendance: 430

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-19, December 1972

Guest Editor: J. P. Mitchell
Bell Telephone Laboratories

Number of technical papers presented: 75

Radiation Effects Committee:
Chairman - Orlie L. Curtis
Vice Chairman - D. K. Wilson
Secretary - James P. Raymond
Senior Member at Large - Robert A. Poll
Junior Member at Large - Edward A. Burke
Conf. Chairman: Julian S. Nichols
Air Force Weapons Laboratory

Technical Program: David K. Myers
Fairchild Semiconductor

Local Arrangements: Robert H. Johnson
Northrop Research & Technology Center

Attendance: 270

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-20, December 1973

Guest Editor: Charles E. Barnes
Sandia Laboratories

Number of technical papers presented: 61
1974
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 15-18
Colorado State University
Fort Collins, CO

Conference Chairman: Edward A. Burke
A.F. Cambridge Research Laboratories

Technical Program: Ralph H. Stahl
Intelcom Rad Tech

Local Arrangements: D. H. Bryce
Kaman Sciences Corp.

Attendance: 280

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-21, December 1974

Guest Editor: Joseph R. Srour
Northrop Research & Tech. Ctr.

Number of technical papers presented: 75

Radiation Effects Committee: Chairman - Robert E. McCoskey
Vice Chairman - Robert A. Poll
Secretary - James M. McGarrity
Senior Member at Large - Bob L. Gregory
Member at Large - Terry M. Flanagan
1975
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

Conference Chairman: Jerry A. Hood
Sandia Laboratory

Technical Program: Itsu Arimura
Boeing Aerospace Co.

Local Arrangements: Harold L. Flescher
Raytheon Co.

Attendance: 305

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-22, December 1975

Guest Editor: Roland E. Leadon
IRT Corporation

Number of technical papers presented: 81 oral, 22 poster

Radiation Effects Committee:
Chairman - Robert E. McCoskey
Vice Chairman - Robert A. Poll
Secretary - James M. McGarrity
Senior Member at Large - Terry M. Flanagan
Junior Member at Large - Harold L. Flescher
1976

IEEE ANNUAL CONFERENCE ON NUCLEAR AND SPACE RADIATION EFFECTS

July 27-30
University of California
San Diego, CA

Conference Chairman: Terry M. Flanagan
IRT Corporation

Technical Program: Howard Sander
Sandia Laboratory

Local Arrangements: R. A. Berger
IRT Corporation

Attendance: 370

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-23, December 1976

Guest Editor: Bobby L. Buchanan
Rome Air Development Center

Number of technical papers presented: 79 oral, 24 poster

Radiation Effects Committee:
Chairman - Robert E. McCoskey
Vice Chairman - Robert A. Poll
Secretary - James M. McGarrity
Senior Member at Large - Harold L. Flescher
Junior Member at Large - Kenneth F. Galloway
Conference Chairman: Harold L. Hughes
Naval Research Laboratory

Technical Program: Robert B. Oswald
Harry Diamond Laboratories

Local Arrangements: Mayrant Simons
Research Triangle Institute

Attendance: 390

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-24, December 1977

Guest Editor: Ralph H. Stahl
Intelcom Rad Tech

Number of technical papers presented: 78 oral, 35 poster

Radiation Effects Committee:
Chairman - Robert S. Caldwell
Vice Chairman - Jerry A. Hood
Secretary - Itsu Arimura
Senior Member at Large - Kenneth F. Galloway
Junior Member at Large - Harvey A. Eisen
1978
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 18-21
University of New Mexico
Albuquerque, NM

Conference Chairman: Bob L. Gregory
Sandia Laboratory

Technical Program: Joseph R. Srour
Northrop Research Center

Local Arrangements: Howard H. Sander
Sandia Laboratory

Attendance: 450

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-25, December 1978

Guest Editor: Mayrant Simons
Research Triangle Institute

Number of technical papers presented: 61 oral, 23 poster, 8 late news

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Radiation Effects Committee: Chairman - Robert S. Caldwell
                        Vice Chairman - Jerry A. Hood
                        Secretary - Itsu Arimura
                Senior Member at Large - Harvey A. Eisen
                Junior Member at Large - Alan G. Stanley
1979
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 17-20
University of California
Santa Cruz, CA

Conference Chairman: James P. Raymond
Mission Research Corporation

Technical Program: Roland Leadon
JAYCOR

Local Arrangements: David K. Myers
Fairchild Semiconductor

Attendance: 430

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-26, December 1979

Guest Editor: John Bombardt
Research & Development Assoc

Number of technical papers presented: 68 oral, 18 poster, 5 late news

Radiation Effects Committee:
Chairman - Robert S. Caldwell
Vice Chairman - Jerry A. Hood
Secretary - Itsu Arimura
Senior Member at Large - Alan G. Stanley
Junior Member at Large - William E. Price
1980
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 15-18
Cornell University
Ithaca, NY

Conference Chairman: Harold L. Flescher
Raytheon

Technical Program: Gary Derbenwick
INMOS Corporation

Local Arrangements: Donald H. Bryce, KAMAN
Benjamin H. Stevenson, NJIT

Attendance: 490 Technical, 200 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-27, December 1980

Guest Editor: James M. McGarrity
Harry Diamond Laboratories

Number of technical papers presented: 67 oral, 24 poster, 8 late news

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Radiation Effects Committee:
Chairman - Jerry A. Hood
Vice Chairman - Joseph R. Srour
Secretary - John L. Duncan
Senior Member at Large - William E. Price
Junior Member at Large - James L. Ramsey
1981
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 21-24
University of Washington
Seattle, WA

Conference Chairman: Itsu Arimura
Boeing Aerospace Corporation

Technical Program: Eric P. Wenaas
JAYCOR

Local Arrangements: Harold Stocks
Boeing Aerospace Corporation

Attendance: 660 Technical, 300 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-28, December 1981

Guest Editor: Dante M. Tasca
General Electric Co.

Number of technical papers presented: 78 oral, 32 poster

Radiation Effects Committee:
Chairman - Jerry A. Hood
Vice Chairman - Joseph R. Srou
Secretary - John L. Duncan
Senior Member at Large - James L. Ramsey
Junior Member at Large - Bobby L. Buchanan
1982
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 20-22
Caesar’s Palace
Las Vegas, NV

Conference Chairman: James L. Ramsey
Naval Weapons Support Center, Crane

Technical Program: Kenneth F. Galloway
National Bureau of Standards

Local Arrangements: George C. Messenger
Consulting Engineer

Attendance: 730 Technical, 380 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
**NS-29**, December 1982

Guest Editor: David M. Long
Science Applications, Inc.

Number of technical papers presented: 111 oral, 29 poster.

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Radiation Effects Committee:
Chairman - Jerry A. Hood
Vice Chairman - Joseph R. Srour
Secretary - John L. Duncan
Senior Member at Large - Bobby L. Buchanan
Junior Member at Large - Allan H. Johnston
Conference Chairman: James Gover  
Sandia National Laboratories

Technical Program: Charles W. Gwyn  
United Technologies Corp.

Local Arrangements: David O. Patterson  
Naval Research Laboratory

Attendance: 740 Technical, 350 Short Course

Proceedings Published in:  
IEEE Transactions on Nuclear Science  
**NS-30**, December 1983

Guest Editor: William A. Seidler  
JAYCOR

Number of technical papers presented: 79 oral, 35 poster, 10 late news

Radiation Effects Committee:  
Chairman - Joseph R. Srour  
Vice Chairman - James L. Ramsey  
Secretary - Dante M. Tasca  
Senior Member at Large - Allan H. Johnston  
Junior Member at Large - Harold L. Flescher
1984
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 23-25
Broadmoor Hotel
Colorado Springs, CO

Conference Chairman: Eric P. Wenaas
JAYCOR

Technical Program: Arne H. Kalma
Northrop Research & Technology Center

Local Arrangements: Thomas A. Tumolillo
Kaman Sciences Corporation

Attendance: 975 Technical, 468 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-31, December 1984

Guest Editor: Peter S. Winokur
Sandia National Laboratories

Number of technical papers presented: 86 oral, 37 poster

Radiation Effects Committee:
Chairman - Joseph R. Srour
Vice Chairman - James L. Ramsey
Secretary - Dante M. Tasca
Senior Member at Large - Harold L. Flescher
Junior Member at Large - Floyd N. Coppage
Conference Chairman: Kenneth F. Galloway
National Bureau of Standards

Technical Program: James M. McGarrity
Harry Diamond Laboratories

Local Arrangements: John P. Retzler
Science Applications International Corp.

Attendance: 1077 Technical, 544 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-32, December 1985

Guest Editor: Chris Jones
Kaman Sciences Corporation

Number of technical papers presented: 70 oral, 36 poster, 4 late news

Radiation Effects Committee:
Chairman - Joseph R. Srour
Vice Chairman - James L. Ramsey
Secretary - Dante M. Tasca
Senior Member at Large - Floyd N. Coppage
Junior Member at Large - Klaus G. Kerris
1986
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 21-23
Performing Arts Center
Providence, RI

Conference Chairman: Roger L. Fitzwilson
SAIC

Technical Program: Bobby L. Buchanan
USAF Rome Air Development Center

Local Arrangements: James R. Weckback
Raytheon

Attendance: 804 Technical, 430 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-33, December 1986

Guest Editor: Tom Ellis
Naval Weapons Support Center

Number of technical papers presented: 70 oral, 39 poster, 7 late news

Radiation Effects Committee:
Chairman - James L. Ramsey
Vice Chairman - James M. McGarrity
Secretary - Kenneth F. Galloway
Senior Member at Large - Klaus G. Kerris
Junior Member at Large - Peter S. Winokur
1987
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 28-31
Snowmass Conference Center
Snowmass, CO

Conference Chairman: Charles W. Gwynn
United Technologies Corporation

Technical Program: Sherra E. Kerns
North Carolina State University

Local Arrangements: James Gover
Sandia National Laboratories

Attendance: 897 Technical, 580 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
**NS-34**, December 1987

Guest Editor: James C. Pickel
IRT Corporation

Number of technical papers presented: 98 oral, 51 poster, 14 late news

Radiation Effects Committee:
Chairman - James L. Ramsey
Vice Chairman - James M. McGarrity
Secretary - Kenneth F. Galloway
Senior Member at Large - Peter S. Winokur
Junior Member at Large - Ronald L. Pease
Conference Chairman: Bobby L. Buchanan
Spire Corporation

Technical Program: Tom D. Ellis
Naval Weapons Support Center, Crane

Local Arrangements: Allan H. Johnston
Boeing Corporation

Attendance: 672 Technical, 380 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-35, December 1988

Guest Editor: Peter G. Coakley
JAYCOR

Number of technical papers presented: 69 oral, 33 poster, 11 late news

Radiation Effects Committee:
Chairman - James L. Ramsey
Vice Chairman - James M. McGarrity
Secretary - Kenneth F. Galloway
Senior Member at Large - Ronald L. Pease
Junior Member at Large - Itsu Arimura
Conference Chairman: Dante M. Tasca
General Electric Company

Technical Program: Peter S. Winokur
Sandia National Laboratories

Local Arrangements: Klaus G. Kerris
Harry Diamond Laboratories

Attendance: 758 Technical, 426 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-36, December 1989

Guest Editor: Augustin Ochoa
Hughes Aircraft Company

Number of technical papers presented: 66 oral, 31 poster, 3 late news

Radiation Effects Committee:
Chairman - James M. McGarrity
Vice Chairman - Kenneth F. Galloway
Secretary - Deb M. Newberry
Treasurer - Harold L. Flescher
Senior Member at Large - Ronald L. Pease
Member at Large - Itsu Arimura
Junior Member at Large - Harold L. Hughes
1990
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 16-20
Bally’s Hotel
Reno, NV

Conference Chairman: Joseph R. Srour
Northrop Research Center

Technical Program: Timothy R. Oldham
Harry Diamond Laboratories

Local Arrangements: James Frank
Honeywell, Inc.

Attendance: 628 Technical, 438 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-37, December 1990

Guest Editor: Daniel M. Fleetwood
Sandia National Laboratories

Number of technical papers presented: 47 oral, 37 poster, 6 late news

Radiation Effects Committee:
Chairman - James M. McGarrity
Vice Chairman - Kenneth F. Galloway
Secretary - Deb M. Newberry
Treasurer - Harold L. Flescher
Senior Member at Large - Itsu Arimura
Member at Large - Harold L. Hughes
Junior Member at Large - Dale G. Platteter
1991
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 15-19
Town and Country Hotel
San Diego, CA

Conference Chairman: Charles E. Barnes
Jet Propulsion Laboratory

Technical Program: Ronald L. Pease
Mission Research Corporation

Local Arrangements: Roger A. Greenwell
Science and Engineering Associates, Inc.

Attendance: 605 Technical, 362 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-38, December 1991

Guest Editor: Douglas G. Millward
SAIC

Number of technical papers presented: 51 oral, 37 poster, 9 late news

Industrial Exhibitors: 18

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Radiation Effects Committee:
Chairman - James M. McGarrity
Vice Chairman - Kenneth F. Galloway
Secretary - Deb M. Newberry
Treasurer - Harold L. Flescher
Senior Member at Large - Harold L. Hughes
Member at Large - Dale G. Platteter
Junior Member at Large - Edward L. Peterson
Conference Chairman: Mayrant Simons  
Research Triangle Institute

Technical Program: Nelson S. Saks  
Naval Research Laboratory

Local Arrangements: William B. Mohr  
SRI International

Attendance: 506 Technical, 324 Short Course

Proceedings Published in:  
IEEE Transactions on Nuclear Science  
**NS-39**, December 1992

Guest Editor: Nick W. van Vonno  
Harris Semiconductor

Number of technical papers presented: 50 oral, 40 poster, 12 late news  
Radiation Effects Data Workshop papers: 10

Industrial Exhibitors: 19

Radiation Effects Committee:  
Chairman - Kenneth F. Galloway  
Vice Chairman - Peter S. Winokur  
Secretary - Klaus G. Kerris  
Treasurer - Sandra L. Anderson  
Senior Member at Large - Dale G. Platteter  
Member at Large - Edward L. Peterson  
Junior Member at Large - Charles E. Barnes
1993
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

Conference Chairman: Paul V. Dressendorfer
Sandia National Laboratory

Technical Program: Dennis B. Brown
Naval Research Laboratory

Local Arrangements: John J. Silver
United Technologies Microelectronics

Attendance: 434 Technical, 269 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-40, December 1993

Guest Editor: Martin G. Buehler
Jet Propulsion Laboratory

Number of technical papers presented: 56 oral, 45 poster, 6 late news
Radiation Effects Data Workshop papers: 17

Industrial Exhibitors: 14

Radiation Effects Committee:
Chairman - Kenneth F. Galloway
Vice Chairman - Peter S. Winokur
Secretary - Klaus G. Kerris
Treasurer - David C. Meshel
Senior Member at Large - Edward L. Peterson
Member at Large - Charles E. Barnes
Junior Member at Large - Philippe Calvel
1994
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

Conference Chairman: Timothy R. Oldham
Army Research Laboratory

Technical Program: Daniel Fleetwood
Sandia National Laboratories

Local Arrangements: Tom Cheek
Texas Instruments

Attendance: 432 Technical, 300 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-41, December 1994

Guest Editor: H. Edwin Boesch, Jr.
Army Research Laboratory

Number of technical papers presented: 57 oral, 56 poster, 11 late news
Radiation Effects Data Workshop papers: 18

Industrial Exhibitors: 15

Radiation Effects Committee:
Chairman - Kenneth F. Galloway
Vice Chairman - Peter S. Winokur
Secretary - Klaus G. Kerris
Treasurer - David C. Meshel
Senior Member at Large - Charles E. Barnes
Member at Large - Philippe Calvel
Junior Member at Large - David W. Emily
Conference Chairman: Dale G. Platteter  
Naval Surface Warfare Center, Crane

Technical Program: Peter J. McNulty  
Clemson University

Local Arrangements: Ken Hunt  
Mission Research Corporation

Attendance: 371 Technical, 240 Short Course

Proceedings Published in:  
IEEE Transactions on Nuclear Science  
NS-42, December 1995

Guest Editor: Ronald D. Schrimpf  
University of Arizona

Number of technical papers presented: 54 oral, 42 poster  
Radiation Effects Data Workshop papers: 20

Industrial Exhibitors: 12

Radiation Effects Committee:  
Chairman - Peter S. Winokur  
Vice Chairman - Klaus G. Kerris  
Secretary - Mary D'Ordine  
Treasurer - Walter Shedd  
Senior Member at Large - Philippe Calvel  
Member at Large - David W. Emily  
Junior Member at Large - Jin Frank
1996
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 15-19
Stouffer’s Esmeralda Resort
Indian Wells, CA

Conference Chairman: Charles Utrias
Loral Federal Systems

Technical Program: Ron Schrimpf
University of Arizona

Local Arrangements: Marty Shaneyfelt
Sandia National Laboratories

Attendance: 418 Technical, 284 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-43, December 1996

Guest Editor: Art Campbell
Naval Research Laboratory

Number of technical papers presented: 51 oral, 56 poster
Radiation Effects Data Workshop papers: 16

Industrial Exhibitors: 16

Radiation Effects Committee:
Chairman - Peter S. Winokur
Vice Chairman - Klaus G. Kerris
Secretary - Mary D’Ordine
Treasurer - Walter Shedd
Senior Member at Large - David W. Emily
Member at Large - Jim Frank
Junior Member at Large - Ken LaBel
1997
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 21-25
Snowmass Conference Center
Snowmass, CO

Conference Chairman: Dennis Brown
Naval Research Laboratory

Technical Program: Allan Johnston
JPL

Local Arrangements: Teresa Farris
UTMC

Attendance: 505 Technical, 353 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-44, December 1997

Guest Editor: Lloyd Massengill
Vanderbilt University

Number of technical papers presented: 52 oral, 38 poster
Radiation Effects Data Workshop papers: 21

Industrial Exhibitors: 27

Radiation Effects Committee: Chairman - Peter S. Winokur
Vice Chairman - Klaus G. Kerris
Secretary - Dave Emily
Treasurer - Walter Shedd
Senior Member at Large - Jim Frank
Member at Large - Ken LaBel
Junior Member at Large - Steve Bernacki
1998
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 20-24
Newport Beach Marriott
Newport Beach, CA

Conference Chairman: Jim Schwank
Sandia National Laboratories

Technical Program: Lloyd Massengill
Vanderbilt University

Local Arrangements: Gary Lum
Lockheed-Martin

Attendance: 564 Technical, 413 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-45, December 1998

Guest Editor: Fred Sexton
Sandia National Laboratories

Number of technical papers presented: 47 oral, 46 poster
Radiation Effects Data Workshop papers: 27

Industrial Exhibitors: 32

Radiation Effects Committee:
Chairman - Klaus G. Kerris
Vice Chairman - Dale Platteter
Secretary - Allan Johnston
Senior Member at Large - Ken LaBel
Member at Large - Steve Bernacki
Junior Member at Large - Nick Van Vonno
1999
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 12-16
Waterside Marriott
Norfolk, VA

Conference Chairman: Ron Schrimpf
Vanderbilt University

Technical Program: Fred Sexton
Sandia National Laboratories

Local Arrangements: Ken LaBel
NASA Goddard Space Flight Center

Attendance: 518 Technical, 413 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-46, December 1999

Guest Editor: Tim Oldham
Army Research Lab

Number of technical papers presented: 49 oral, 32 poster
Radiation Effects Data Workshop papers: 21

Industrial Exhibitors: 41

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Radiation Effects Committee:
Chairman - Klaus G. Kerris
Vice Chairman - Dale Platteter
Secretary - Allan Johnston
Senior Member at Large - Steve Bernacki
Member at Large - Nick Van Vonno
Junior Member at Large - Jim Kinnison
2000
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 24-28
Silver Legacy Resort & Casino
Reno, NV

Conference Chairman: Ron Pease
RLP Research

Technical Program: Art Campbell
Naval Research Lab

Local Arrangements: Steve Clark, AFRL
Jeff Black, MRC

Attendance: 492 Technical, 331 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-47, December 2000

Guest Editor: Janet Barth
NASA Goddard SFC

Number of technical papers presented: 54 oral, 33 poster
Radiation Effects Data Workshop papers: 27

Industrial Exhibitors: 36

Radiation Effects Committee:
Chairman - Klaus G. Kerris
Vice Chairman - Dale Platteter
Secretary - Allan Johnston
Senior Member at Large - Nick Van Vonno
Member at Large - Jim Kinnison
Junior Member at Large - Fred Sexton
2001
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 16-20
Westin Bayshore
Vancouver, BC, Canada

Conference Chairman: Marty R. Shaneyfelt
Sandia National Laboratories

Technical Program: Janet Barth
NASA-Goddard Space Flight Center

Local Arrangements: Joe Benedetto
UTMC

Attendance: 474 Technical, 325 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-48, December 2001

Guest Editor: Mike Xapsos
Naval Research Lab

Number of technical papers presented: 52 oral, 35 poster, 7 late news
Radiation Effects Data Workshop papers: 27

Industrial Exhibitors: 31

Radiation Effects Committee:
Chairman - Dale Platteter
Vice Chairman - Ron Schrimpf
Secretary - Jim Schwank
Senior Member at Large - Jim Kinnison
Member at Large - Fred Sexton
Junior Member at Large - David Hiemstra
2003
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 21-25
DoubleTree Hotel
Monterey, CA

Conference Chairman: Allan Johnston
Jet Propulsion Laboratory

Technical Program: Paul Dodd
Sandia National Laboratories

Local Arrangements: Mark Hopkins
The Aerospace Corporation

Attendance: 554 Technical, 372 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-50, December 2003

Guest Editor: Jim Kinnison
John Hopkins / Applied Physics Lab

Number of technical papers presented: 50 oral, 55 poster
Radiation Effects Data Workshop papers: 30

Industrial Exhibitors: 41

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Radiation Effects Committee:

Chairman - Dale Platteter
Vice Chairman - Ron Schrimpf
Secretary - Jim Schwank
Senior Member at Large - David Hiemstra
Member at Large - Ron Pease
Junior Member at Large - Gary Lum
Conference Chairman: Dan Fleetwood
Vanderbilt University

Technical Program: Jim Pickel
PRT, Inc.

Local Arrangements: Jim Kinnison
John Hopkins Applied Physics Lab

Attendance: 523 Technical, 361 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-51, December 2004

Guest Editor: Lew Cohn
Defense Threat Reduction Agency

Number of technical papers presented: 51 oral, 52 poster, 10 late news
Radiation Effects Data Workshop papers: 32

Industrial Exhibitors: 40

Radiation Effects Committee:
Chairman - Ron Schimpf
Vice Chairman - Tim Oldham
Secretary - Jeff Black
Senior Member at Large - Ron Pease
Member at Large - Gary Lum
Junior Member at Large - Steven L. Clark
2005
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 11-15
Seattle Sheraton Hotel
Seattle, WA

Conference Chairman: Fred Sexton
Sandia National Laboratories

Technical Program: Mike Xapsos
NASA Goddard SFC

Local Arrangements: Kay Jobe
Boeing Space Systems

Attendance: 581 Technical, 435 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-52, December 2005

Guest Editor: John Cressler
Georgia Tech

Number of technical papers presented: 49 oral, 44 poster, 8 late news
Radiation Effects Data Workshop papers: 27

Industrial Exhibitors: 40

Radiation Effects Committee:
Chairman - Ron Schrimpf
Vice Chairman - Tim Oldham
Secretary - Jeff Black
Senior Member at Large - Gary Lum
Member at Large - Steven L. Clark
Junior Member at Large - Veronique Ferlet-Cavrois
2006
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 17-21
Sawgrass Marriott Resort
Ponte Vedra Beach, FL

Conference Chairman: Janet Barth
NASA Goddard SFC

Technical Program: Gary Lum
Lockheed Martin

Local Arrangements: Nick van Vonno
Intersil

Attendance: 505 Technical, 382 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-53, December 2006

Guest Editor: Philippe Paillet
CEA France

Number of technical papers presented: 53 oral, 57 poster
Radiation Effects Data Workshop papers: 34

Industrial Exhibitors: 41

Radiation Effects Committee:
Chairman - Ron Schrimpf
Vice Chairman - Tim Oldham
Secretary - Jeff Black
Senior Member at Large - Steven L. Clark
Member at Large - Veronique Ferlet-Cavrois
Junior Member at Large - Wayne Abare
2007
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 23-27
Hilton Hawaiian Village
Honolulu, HI

Conference Chairman: Lloyd Massengill
Vanderbilt University

Technical Program: John Cressler
Georgia Tech

Local Arrangements: Susan Crain
The Aerospace Corporation

Attendance: 507 Technical, 386 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-54, December 2007

Senior Editor: Jim Schwank, Sandia Labs

Associate Editors Philippe Paillet, CEA
Jim Felix, Sandia
Steve Buchner, QSS
Paul Marshall, consultant
Sophie Duzellier, ONERA
Dennis Brown, IEEE NPSS

Number of technical papers presented: 56 oral, 55 poster
Radiation Effects Data Workshop papers: 40

Industrial Exhibitors: 40

Radiation Effects Committee:
Chairman - Tim Oldham
Vice Chairman - Dan Fleetwood
Secretary - Kay Jobe
Senior Member at Large - Veronique Ferlet-Cavrois
Member at Large - Wayne Abare
Junior Member at Large - Marty Shaneyfelt
2008
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 14-18
J. W. Marriott Sparr Pass Resort
Tucson, AZ

Conference Chairman:  Paul Dodd
                    Sandia National Laboratories

Technical Program:  Nick van Vonno
                   Intersil

Local Arrangements:  Bill Heidergott
                    General Dynamics

Attendance:  519 Technical, 378 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-55, December 2008

Senior Editor:  Jim Schwank, Sandia Labs

Associate Editors  Steve Buchner, QSS
                  Paul Marshall, consultant
                  Sophie Duzellier, ONERA
                  Dennis Brown, IEEE NPSS
                  Christian Poivey, ESA
                  Ron Pease, RLP Research

Number of technical papers presented:  52 oral, 64 poster
Radiation Effects Data Workshop papers:  27

Industrial Exhibitors:  45

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Radiation Effects Committee:
Chairman - Tim Oldham
Vice Chairman - Dan Fleetwood
Secretary - Kay Jobe
Senior Member at Large - Wayne Abare
Member at Large - Marty Shaneyfelt
Junior Member at Large - Philippe Paillet
2009
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 20-24
Hilton and Convention Center
Quebec City, Canada

Conference Chairman: Mark Hopkins
The Aerospace Corporation

Technical Program: Lew Cohn
Naval Research Lab

Local Arrangements: Dave Hiemstra
MDA Space Missions

Attendance: 489 Technical, 362 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-56, December 2009

Senior Editor: Jim Schwank, Sandia Labs

Associate Editors Paul Marshall, consultant
Dennis Brown, IEEE NPSS
Christian Poivey, ESA
Ron Pease, RLP Research
Sylvain Girard, CEA
Robert Reed, Vanderbilt

Number of technical papers presented: 47 oral, 54 poster
Radiation Effects Data Workshop papers: 30

Industrial Exhibitors: 40

Radiation Effects Committee:

Chairman - Tim Oldham
Vice Chairman - Dan Fleetwood
Secretary - Barry Willits
Senior Member at Large - Marty Shaneyfelt
Member at Large - Philippe Paillet
Junior Member at Large - Mike Xapsos
Conference Chairman:  Joe Benedetto  
Aeroflex RAD  

Technical Program:  Jeff Black  
Vanderbilt University  

Local Arrangements:  Hugh Barnaby  
Arizona State University  

Attendance:  558 Technical, 411 Short Course  

Proceedings Published in:  
IEEE Transactions on Nuclear Science  
**NS-57**, December 2010  

Senior Editor:  Jim Schwank, Sandia Labs  

Associate Editors  
Paul Marshall, consultant  
Dennis Brown, IEEE NPSS  
Christian Poivey, ESA  
Ron Pease, RLP Research  
Sylvain Girard, CEA  
Pascale Gouker, MIT LL  

Number of technical papers presented:  47 oral, 63 poster  
Radiation Effects Data Workshop papers:  29  

Industrial Exhibitors: 53  

Radiation Effects Committee:  
Chairman - Dan Fleetwood  
Vice Chairman - Marty Shaneyfelt  
Secretary - Steve Clark  
Senior Member at Large - Philippe Paillet  
Member at Large - Mike Xapsos  
Junior Member at Large - Pascale Gouker
2011
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 25-29
J. W. Marriott Las Vegas Resort
Summerlin, NV

Conference Chairman: Kay Chesnut
The Boeing Co.

Technical Program: Robert Reed
Vanderbilt University

Local Arrangements: Dale McMorrow
Naval Research Lab

Attendance: 551 Technical, 413 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-58, December 2011

Senior Editor: Jim Schwank, Sandia Labs

Associate Editors Paul Marshall, consultant
Dennis Brown, IEEE NPSS
Ron Pease, RLP Research
Sylvain Girard, CEA
Pascale Gouker, MIT LL
Simone Garardin, Padova Uni.

Number of technical papers presented: 48 oral, 55 poster
Radiation Effects Data Workshop papers: 35

Industrial Exhibitors: 55

Radiation Effects Committee: Chairman - Dan Fleetwood
Vice Chairman - Marty Shaneyfelt
Secretary - Steve Clark
Senior Member at Large - Mike Xapsos
Member at Large - Pascale Gouker
Junior Member at Large - Vincent Pouget
2012
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

Conference Chairman: Kenneth LaBel
NASA Goddard SFC

Technical Program: Christian Poivey
European Space Agency

Local Arrangements: Lew Cohn
National Reconnaissance Office

Attendance: 505 Technical, 360 Short Course

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-59, December 2012

Senior Editor: Jim Schwank, Sandia Labs

Associate Editors
Dennis Brown, IEEE NPSS
Sylvain Girard, CEA
Pascale Gouker, MIT LL
Simone Garardin, Padova Uni.
Hugh Barnaby, ASU
Heather Quinn, LANL

Number of technical papers presented:
Radiation Effects Data Workshop papers: 34

Industrial Exhibitors: 57

Radiation Effects Committee:
Chairman - Dan Fleetwood
Vice Chairman - Marty Shaneyfelt
Secretary - Steve Clark
Senior Member at Large - Pascale Gouker
Member at Large - Vincent Pouget
Junior Member at Large - Nick van Vonno
IEEE ANNUAL CONFERENCE ON
NUCLEAR AND SPACE RADIATION EFFECTS

July 8-12
Hyatt Regency San Francisco
San Francisco, CA

Conference Chairman: Jeffrey Black
Sandia National Labs

Technical Program: Cheryl Marshall
NASA Goddard SFC

Local Arrangements: Dolores Black
UNM/COSMIAC

Attendance:

Proceedings Published in:
IEEE Transactions on Nuclear Science
NS-60, December 2013

Senior Editor: Jim Schwank, Sandia Labs

Associate Editors Dennis Brown, IEEE NPSS
Sylvain Girard, CEA
Pascale Gouker, MIT LL
Simone Garardin, Padova Uni.
Hugh Barnaby, ASU
Heather Quinn, LANL

Radiation Effects Committee:

Chairman - Marty Shaneyfelt
Vice Chairman - Allan Johnston
Secretary - Pascale Gouker
Senior Member at Large - Vincent Pouget
Member at Large - Nick van Vonno
Junior Member at Large - Gary Lum
NSREC Outstanding Paper Awards

Here is the list of NSREC Outstanding Conference Papers from 1964 - 2011.


<table>
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<th>Year</th>
<th>Authors</th>
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